






# DNC FABRIC & MATERIAL SPECIFICATIONS

	SUN Protection UPF 40+ - 50+	DNC garments are tested for UPF (ultraviolet protection factor) in accordance with AS/NZS4399:1996. The level of protection varies depending on the fabric and colour of the garment. 15+ good protection, 30+ / 35+ very good protection, 40+ / 50+ excellent protection
	HiVis Fabric & Material Only New AS/NZS 1906.4:2010	DNC HiVis fabric of the garments and the material of reflective tape are manufactured to comply with New Hi Vis standard Class F AS/NZS1906.4:2010.
	HiVis Day Fabric & Design New AS/NZS 4602.1:2011	DNC HiVis garments are manufactured to comply with New Hi Vis standard Class F AS/NZS1906.4:2010, Class D AS/NZS 4602.1:2011 to meet the requirements of Hi-Vis Safety standards for both HiVis Fabric & Design of garments, (Section 6.4) day use.
	HiVis D/N Fabric & Design New AS/NZS 4602.1:2011	DNC HiVis garments are manufactured to comply with New Hi Vis standard Class F AS/NZS1906.4:2010, Class D/N, AS/NZS 4602.1:2011 to meet the requirements of Hi-Vis Safety standards HiVis Fabric & Design of garments, for day and night use.
	HiVis Night Only, New AS/NZS 4602.1:2011	DNC HiVis garments are manufactured to comply with New Hi Vis standard Class N, AS/NZS 4602.1:2011 to meet the requirements of Hi-Vis Safety standards Design of garments for the reflective tape configuration, for night use only.
	3M Scotchlite Australia Supply	DNC use 3M Reflective tape throughout the Hi-Visibility range. 3M Australia supply is only provided for distribution to approved 3M Australia supply partners with nationwide quality guarantee. Check details under product for relevant 3M codes. All 3M reflective tape complies with AS/NZS1906.4:2010 for HiVis material. 3M8910=3M8912 R-tape Home wash up to 50 cycles @ 60° C. Anti-static 3M8906 R-tape Home wash up to 30 cycles @ 60° C, 3M8935 Industrial wash 50 cycles @ 60°C, flame retardant and Anti-static reflective tape ACR Rated:11.9 ATPV.
	CSR Reflective Tape	Alternatively DNC also use premium quality Reflective Tape for the value hi-vis range. CSR Reflective tape fully complies with AS/NZS1906.4:2010 for HiVis material. Home wash 50 cycles @ 60°C.
	SFR (SupaFlex Reflective Tape)	DNC SFR (SupaFlex reflective tape) fully complies with AS/NZS1906.4:2010 for HiVis material. Stretches with fabric for all day freedom of movement. Home wash 50 cycles @ 60°C.
	LOXY FR R.Tape	DNC use premium LOXY Sto-nor 9801 Flame Resistant (FR) Tape through our Flame Resistant Range. LOXY Sto-nor 9801 FR Tape - Industrial wash 50 cycles @60°C. Complies with ISO14116/FR, NFPA2112/FR; EN 1149-3/Anti-Static, AS/NZS1906.4/Hi-Vis.
	DNC Segmented Reflective Tape	Premium quality of DNC Heat transfer segmented reflective tape fully complies with AS/NZS1906.4:2010 for HiVis standard and EN1149-1:200 for Anti-static. Lighter weight and innovative pattern, stretch with knit to add more comfort with movement. Cool-Breeze. Home wash 25 cycles @60°C.
	COOL - BREATHE Moisture Absorbency Fabrics	DNC 100% polyester soft feel micromesh and mini pique knit, double sided jersey and mini waffle fabrics all feature "cool-breathe" and "cooldry" moisture wicking treatment. Provides quick drying comfort in hot and sweaty conditions with ability to breathe.
	Cotton Backed Knit	Features a polyester outer for rich colour sustainability and a cotton backed knit for the natural cotton feel against skin, cooldry moisture wicking treatment.
	100% Cotton	DNC has an extensive 100% cotton range for a natural feeling garment with anti-static and electrical protection features.
	Lightweight	DNC provide entire ranges of lightweight fabrics as an alternate to regular weight garments. Features include quicker drying, breathable and a more comfortable light weight feel.
	COOL - BREEZE Airflow Vents	DNC Cool-Breeze airflow cooling system removes sweat and body heat through innovative under-arm vents, upper back or vertical vents, airflow eyelets between legs.
	Waterproof	DNC Rainwear and HiVis Jackets are made of a polyester outer, PU & PVC coated inner and all seam sealed 100% waterproof.

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	<p>Waterproof &amp; Breathable</p>	<p>DNC HiVis Rainwear utilises the latest fabric technology. Not only are they waterproof, but also fully breathable.</p>
	<p>CORDURA®</p>	<p>DNC knee pads feature CORDURA® fabric (190GSM polyester oxford) which is able to withstand abrasions, tears and scuffs from its heavy duty and high performance.</p>
	<p>DURATEX Reinforcement</p>	<p>DNC reinforce garments with 190GSM polyester oxford Duratex patches in knees &amp; stress areas for added durability. This feature allows the garment to withstand abrasions, tears and scuffs from its heavy duty and high performance.</p>
	<p>Arc-Rated Flame Retardant Patron Saint®</p>	<ul style="list-style-type: none"> <li>• 190gsm Patron Saint F/R cotton fabric, Arc Thermal Protection Value – ATPV Rating of: 6.8 Cal/cm<sup>2</sup>(in Calories per cubic centimetre), Comply with NFPA70E: electrical Safety in the workplace: ASTM F1959/F1959M-12, Standard Test Methods according to ASTM F1506-10a(Require ATPV 4+ Cal/cm<sup>2</sup> + FR ISO 14116) for Determining the Arc Rating of Materials for Clothing, Incident Energy Range: 4 to 8 Cal/cm<sup>2</sup> for HRC1.</li> <li>• 311gsm Patron Saint F/R cotton fabric, Arc Thermal Protection Value – ATPV Rating: 14.0 Cal/cm<sup>2</sup> (in Calories per cubic centimetre), Comply with NFPA70E: electrical Safety in the workplace: ASTM F1959/F1959M-12, Standard Test Method according to ASTM F1506-10a(Require ATPV 4+ Cal/cm<sup>2</sup> + FR ISO 14116) for Determining the Arc Rating of Materials for Clothing, Incident Energy Range: 8 to 24 Cal/cm<sup>2</sup> for HRC2.</li> <li>• Comply with BS EN ISO 11612:2008(Next level higher than ISO 14116 Protective Clothing to Protect against Heat and Flame..</li> <li>• Complies with the Oeko-tex100 Certificate, no Azo-dyes, Nickel... Industry minimum formaldehyde levels of (&lt;75ppm) Safe to wear against the skin.</li> <li>• Comply with HiVis Standards of AS/NZS 1906.4: 2010 &amp; AS/NZS 4602.1: 2011.</li> <li>• 100% cotton nature fibres comply AS/NZS1020:1995 Anti Static..</li> <li>• 3M8935 F/R &amp; Anti-static Reflective Tape.</li> <li>• Comply with AS/NZS 4399: 1999-- UPF50+.</li> <li>• 50+ domestic washes @60°C, tumble dry.</li> </ul> <p>DNC Patron Saint Flame Retardant Range: Day, D/N Shirts, Trousers, coveralls &amp; Jackets. Suitable Industries: Oil, Gas, Electrical, Infrastructure, Mining...</p>
	<p>Flame retardant + Carbon grid Anti-static</p>	<p>The latest technology is used in the production of DNC Flame retardant + Carbon grid Anti-static 98% Polyester/PU, 2% Carbon, breathable waterproof fabric rain jacket, vest &amp; pants, comply with EN ISO 14116:2008 for FR &amp; BS EN1149-5:2008 for Anti-static. DNC cotton garments containing no metal buttons/zip are also classified under Anti-static garments.</p>
	<p>Electrical Protection</p>	<p>DNC cotton made garments containing no metal buttons or zippers and are suitable for use in electrical or gas trades.</p>
	<p>Stain Release</p>	<p>DNC 80% / 20% Polyester Viscose fabric's are treated to release dirt and stains with ease.</p>
	<p>Ripstop Fabric</p>	<p>Ripstop Technology is specially designed fabric weave to increase tear &amp; abrasion resistance (Rip-stop) &amp; improve air flow. DNC 150gsm &amp; 240gsm Cotton Ripstop fabric Shirts, Shorts &amp; Pants provides softer feel but stronger &amp; cooler features, more durable &amp; comfortable for wearing than the traditional cotton woven garments.</p>
	<p>Stretch Fabric</p>	<p>DNC Stretch utilises the fabric and material technology to give a more comfortable and easy fit.</p>
	<p>Environmentally Friendly Green Dye <b>Oeko-Tex Standard 100</b> Safe to wear against the skin</p>	<p>All DNC garments use the Green Dye only. All DNC garment fabric fully complies with Oeko-Tex standard 100 class II for products with direct contact to the skin in which prohibited to use aromatic amines, sensitizing dyes and cancer risk dyes. Green dye should meet the following conditions: Does not contain harmful or non-aromatic amine; dye itself, non-carcinogenic, sensitization, acute toxicity; the use of formaldehyde and, after extraction of heavy metals in the following limits; non-environmental hormone; non-persistent organic pollutants; does not produce pollution of the environment harmful chemicals; not produce chemicals that pollute the environment; color fastness and superior to disable the use of dyes.</p>

# PATRON SAINT® ARC RATED FLAME RETARDANT RANGE



# DNC

## PATRON SAINT® ARC RATED FLAME RETARDANT RANGE

### DNC PATRON SAINT ARC RATED FLAME RETARDANT RANGE FABRIC & MATERIAL SPECIFICATIONS

- 190gsm Patron Saint F/R cotton fabric, Arc Thermal Protection Value – ATPV Rating of: 6.8 Cal/cm<sup>2</sup>(in Calories per cubic centimeter), Comply with NFPA70E: electrical Safety in the workplace: ASTM F1959/F1959M-12, Standard Test Methods according to ASTM F1506-10a(Require ATPV 4+ Cal/cm<sup>2</sup> + FR ISO 14116) for Determining the Arc Rating of Materials for Clothing, Incident Energy Range: 4 to 8 Cal/cm<sup>2</sup> for HRC1.
- 311gsm Patron Saint F/R cotton fabric, Arc Thermal Protection Value – ATPV Rating: 14.0 Cal/cm<sup>2</sup> (in Calories per cubic centimeter), Comply with NFPA70E: electrical Safety in the workplace: ASTM F1959/F1959M-12, Standard Test Method according to ASTM F1506-10a(Require ATPV 4+ Cal/cm<sup>2</sup> + FR ISO 14116) for Determining the Arc Rating of Materials for Clothing, Incident Energy Range: 8 to 24 Cal/cm<sup>2</sup> for HRC2.
- Comply with BS EN ISO 11612:2008(Next level higher than ISO 14116) Protective Clothing to Protect against Heat and Flame..
- FR thread & buttons
- Complies with the Oeko-tex100 Certificate, no Azo-dyes, Nickel... Industry minimum formaldehyde levels of (<75ppm) Safe to wear against the skin.
- Comply with HiVis Standards of AS/NZS 1906.4: 2010 & AS/NZS 4602.1: 2011.
- 100% cotton nature fibres comply AS/NZS1020:1995 Anti Static..
- 3M8935 F/R & Anti-static Reflective Tape.
- Comply with AS/NZS 4399: 1999-- UPF50+.
- 50+ domestic washes @60°C, tumble dry.

DNC Patron Saint Flame Retardant Range: Day, D/N Shirts, Trousers, coveralls & Jackets.

Suitable Industries: Oil, Gas, Electrical, Infrastructure, Mining...



DNC FR TAG  
ON OUTSIDE  
OF GARMENTS

INSIDE NECK LABEL  
- INCLUDING HI VIS/  
FR STANDARDS & ARC  
RATING